**Table 1*.*** A summary of the tooling needs drawn from the analysis of the HCI variant dictionary.

|  |  |
| --- | --- |
| Data analysis finding | Tooling need |
| Duplicate HGVS expressions | Suggestions to merge detected duplicate entries |
| Clinical significance interpretation conflicts | Suggestions to update the clinical significance interpretation of entries based on comparison with an external knowledge resource |
| HGVS expressions updated externally but not internally | Collection and display of synonymous HGVS expressions pulled from an external knowledge resource |